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23562 7590 04/02/2004

BAKER & MCKENZIE
PATENT DEPARTMENT
2001 ROSS AVENUE
SUITE 2300
DALLAS, TX 75201

EXAMINER

FUREMAN, JARED

ART UNIT

PAPER NUMBER

2876

DATE MAILED: 04/02/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/678,062	10/02/2000	Raymond W. Coles	2414761.2	4462

TITLE OF INVENTION: METHOD OF FORMING AN IMAGE, AND TO A PRODUCT HAVING AN IMAGE FORMED THEREON

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	07/02/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THREE MONTHS** FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status.
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/678,062	10/02/2000	Raymond W. Coles	24141761.2	4462

TITLE OF INVENTION: METHOD OF FORMING AN IMAGE, AND TO A PRODUCT HAVING AN IMAGE FORMED THEREON

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	07/02/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
FUREMAN, JARED	2876	235-487000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

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2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

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Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☐ corporation or other private group entity ☐ government

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- ☐ Issue Fee
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This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 102 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 102 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Notice of Allowability

Application No.

09/678,062

Applicant(s)

COLES, RAYMOND W.

Examiner

Jared J. Fureman

Art Unit

2876

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the telephone interview on 3/18/2004.
2. ☒ The allowed claim(s) is/are 1 and 3-20.
3. ☒ The drawings filed on 02 October 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 3/19/2004.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

Jared J. Fureman
Examiner
Art Unit: 2876

DETAILED ACTION

Receipt is acknowledged of the amendment, filed on 2/27/2004, which have been entered in the file. Claims 1 and 3-20 are pending.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. William McSpadden (44,234) on March 18, 2004. The examiner's amendment was necessary in order to further clarify the claims and remove any claim objections and/or rejections under 35 U.S.C. 112 2nd paragraph, thereby placing the application in condition for allowance.

The application has been amended as follows:

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In the claims:

The claims have been amended as follows:

1. (Currently Amended) A method of forming a security card, comprising the steps of:
 - a) providing a substrate having a reflective region covering a portion of the substrate that is substantially less than ~~the~~ an entire surface of the substrate, wherein the reflective region comprises a metal film suitable for increasing ~~the~~ visibility of an overlying ~~securing~~ security image;
 - b) thermally depositing identification details onto the substrate;
 - c) depositing a protective layer of plastics material onto the substrate so as to protect the identification details, and selectively altering the optical properties of the protective layer in at least a region overlying the reflective region so as to form ~~the~~ the security image therein.
2. (Cancelled)
3. (Previously presented) A method as claimed in claim 1, wherein the metal film is printed onto the substrate.
4. (Original) A method as claimed in claim 3, in which the metal film is provided on

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a carrier film and is brought into contact with the substrate at a printing station and transferred to the substrate.

5. (Original) A method as claimed in claim 1, wherein the layer of plastics material is provided on a carrier film and in which a plurality of heater elements are provided on a thermal print head, and in which the heater elements are energized when the carrier film is in contact with the substrate to transfer the plastics material to the substrate.

6. (Previously presented) A method as claimed in claim 5, in which the heating elements are energized to deposit a continuous layer of the plastics material over the whole of an area to be covered such that the plastics material serves as a protective coating.

7. (Previously presented) A method as claimed in claim 6, in which selected regions of the plastics material are heated to a greater degree than other areas so as to vary a surface appearance of the plastics layer.

8. (Original) A method as claimed in claim 7, in which the full thickness of the plastics film is deposited and selected portions thereof are overheated so as to give these portions a different appearance.

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9. (Original) A method as claimed in claim 8, in which the overheated portions have a satin appearance.

10. (Previously Amended) A method as claimed in claim 8, in which the overheated portions have a matte appearance.

11. (Previously Amended) A method as claimed in claim 1, in which the security image is printed over the substrate in a repeating pattern.

12. (Previously Amended) A method as claimed in claim 1, in which the layer of plastics material is deposited on the substrate during a printing process, and in which the security image to be formed in the plastics layer is held in a memory device readable by one of the printer and a data processor controlling the printer.

13. (Original) A method as claimed in claim 12, in which the memory device is a removable device.

14. (Previously Amended) A method as claimed in claim 12, in which the security image is held in an encrypted form.

15. (Original) A surface printed in accordance with the method of claim 1.

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16. (Currently Amended) A printed item, the item comprising a substrate having a first surface, wherein a reflective element is provided on a portion of the first surface that is substantially less than the entire first surface of the substrate, wherein the reflective element comprises a metal film suitable for increasing the visibility of an overlying security image, and where identification details are printed onto the first surface and wherein a plastic layer is deposited over the substrate and the optical properties of the ~~plasties~~ plastic layer are altered in at least a region overlying the reflective element.

17. (Previously presented) A printed item as claimed in claim 16, in which the plastic layer is deposited as a substantially uniform layer.

18. (Previously presented) A printed item as claimed in claim 17, in which portions of the plastic layer are overheated in order to change the appearance of those portions.

19. (Previously presented) A printed item as claimed in claim 16, in which the item comprises an identity card.

20. (Previously presented) A printed item as claimed in claim 16, in which the item is selected from the group consisting of a security card, a bank card, a license and a credit card.

Allowable Subject Matter

2. Claims 1 and 3-20 have been allowed over the prior art of record. Applicant's arguments regarding the combination of Baxendale and Lyszczarz (see pages 7-8, of the amendment filed on 2/27/2004) have been found persuasive, thus the previous rejection has been withdrawn.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Curiel (US 6,655,598 B1), Curiel (US 6,164,548), Clayman et al (US 6,644,551 B2), Theodossiou et al (US 2004/0011874 A1), and Corcoran (US 6,471,128) all teach cards having a reflective metal film layer.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jared J. Fureman whose telephone number is (571) 272-2391. The examiner can normally be reached on 7:00 am - 4:30 PM M-T, and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jared J. Fureman
Jared J. Fureman
Examiner
Art Unit 2876

March 19, 2004